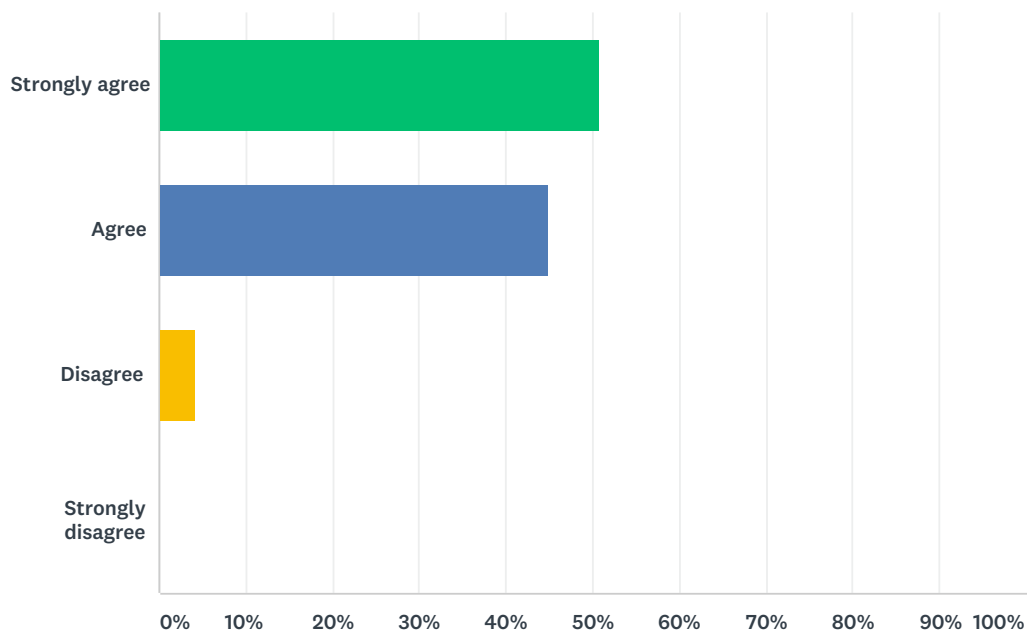


## Q1 I feel as though I caught the Organic Chemistry Wave

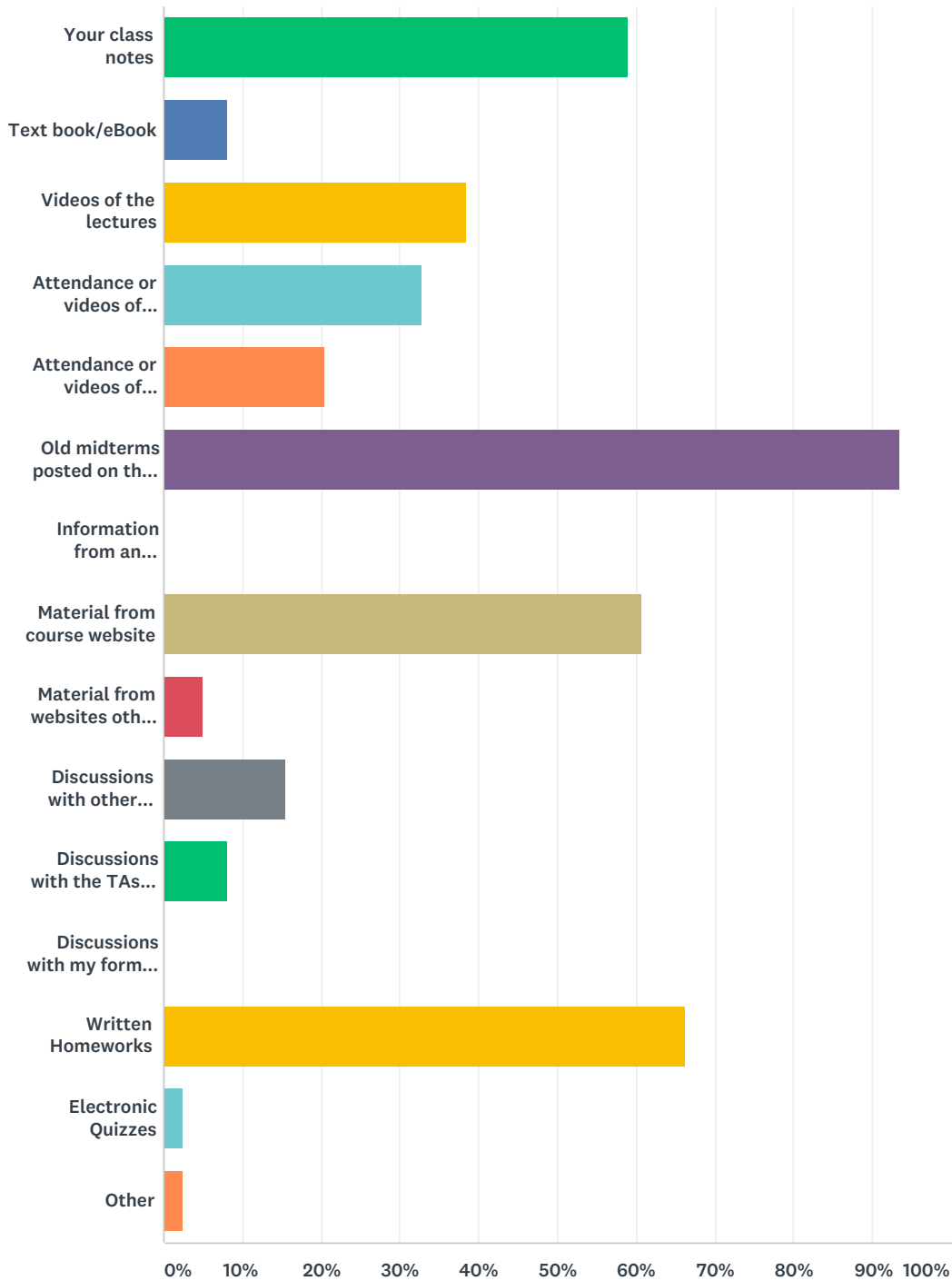
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES
Strongly agree	50.82% 62
Agree	45.08% 55
Disagree	4.10% 5
Strongly disagree	0.00% 0
TOTAL	122

## Q2 What were the FOUR most important resources you used to prepare for the midterms?

Answered: 122 Skipped: 0

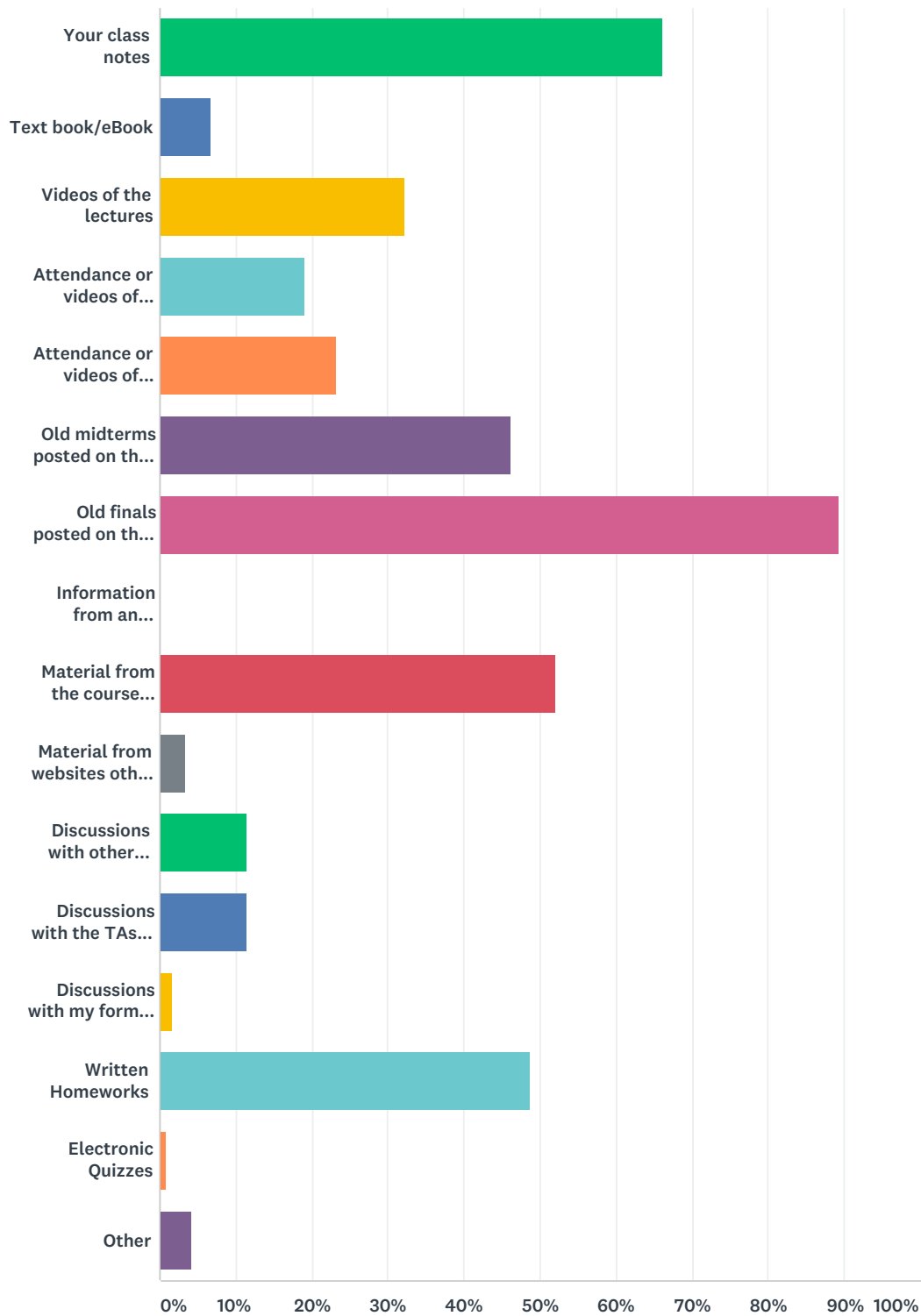


ANSWER CHOICES	RESPONSES	
Your class notes	59.02%	72
Text book/eBook	8.20%	10

Videos of the lectures	38.52%	47
Attendance or videos of office hours	32.79%	40
Attendance or videos of special review sessions	20.49%	25
Old midterms posted on the course website	93.44%	114
Information from an unofficial course Facebook page	0.00%	0
Material from course website	60.66%	74
Material from websites other than the course website	4.92%	6
Discussions with other students	15.57%	19
Discussions with the TAs or the professor	8.20%	10
Discussions with my former students	0.00%	0
Written Homeworks	66.39%	81
Electronic Quizzes	2.46%	3
Other	2.46%	3
Total Respondents: 122		

### Q3 What were the FOUR most important resources you used to prepare for the final?

Answered: 121 Skipped: 1



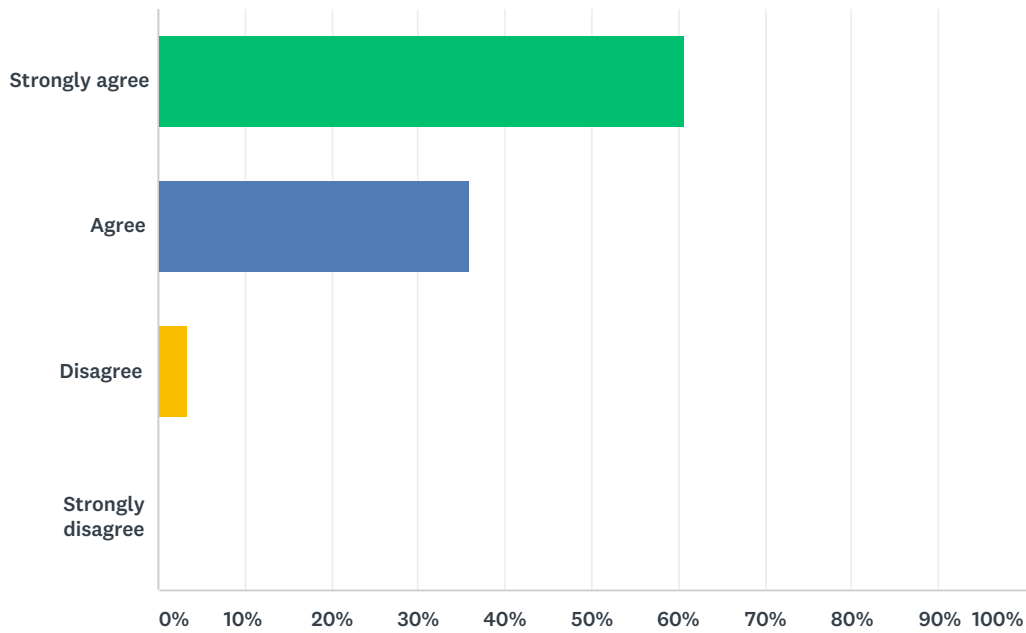
ANSWER CHOICES

RESPONSES

Your class notes	66.12%	80
Text book/eBook	6.61%	8
Videos of the lectures	32.23%	39
Attendance or videos of office hours	19.01%	23
Attendance or videos of special review sessions	23.14%	28
Old midterms posted on the course website	46.28%	56
Old finals posted on the course website	89.26%	108
Information from an unofficial course Facebook page	0.00%	0
Material from the course website	52.07%	63
Material from websites other than the course website	3.31%	4
Discussions with other students	11.57%	14
Discussions with the TAs or the professor	11.57%	14
Discussions with my former students	1.65%	2
Written Homeworks	48.76%	59
Electronic Quizzes	0.83%	1
Other	4.13%	5
Total Respondents: 121		

### Q4 This course helped me develop critical thinking skills as opposed to just being an exercise in memorization

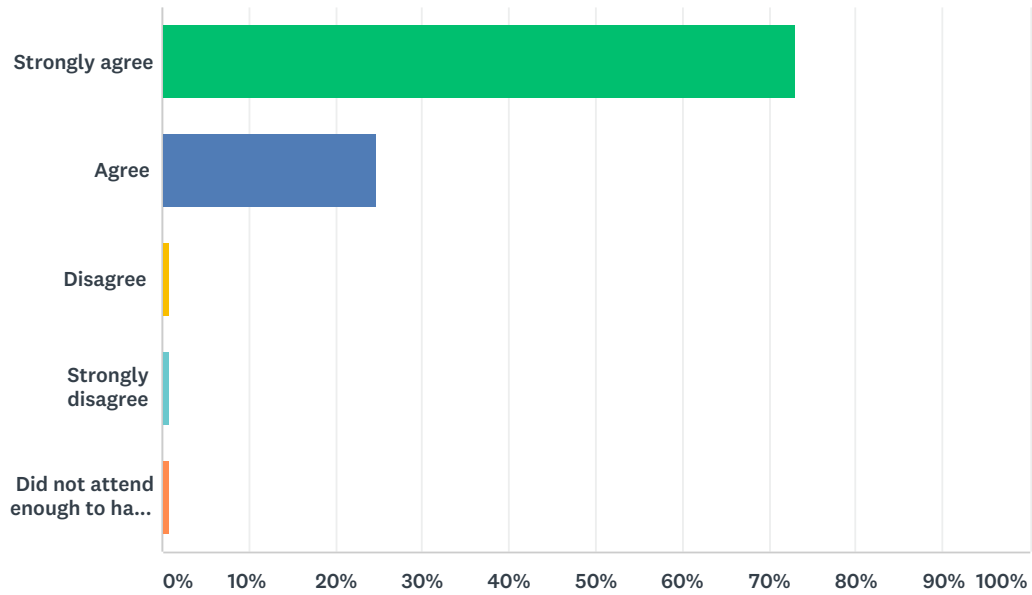
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Strongly agree	60.66%	74
Agree	36.07%	44
Disagree	3.28%	4
Strongly disagree	0.00%	0
<b>TOTAL</b>		<b>122</b>

### Q5 Attending lecture was helpful

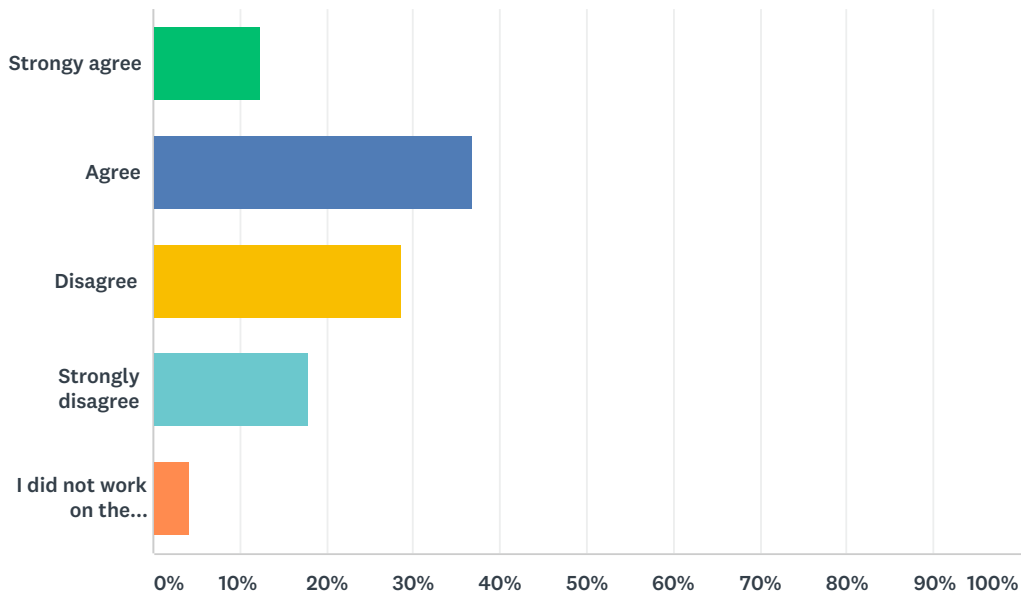
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Strongly agree	72.95%	89
Agree	24.59%	30
Disagree	0.82%	1
Strongly disagree	0.82%	1
Did not attend enough to have an opinion	0.82%	1
<b>TOTAL</b>		<b>122</b>

### Q6 The 24 electronic quizzes due before class were useful for keeping me engaged with the material/eBook

Answered: 122 Skipped: 0

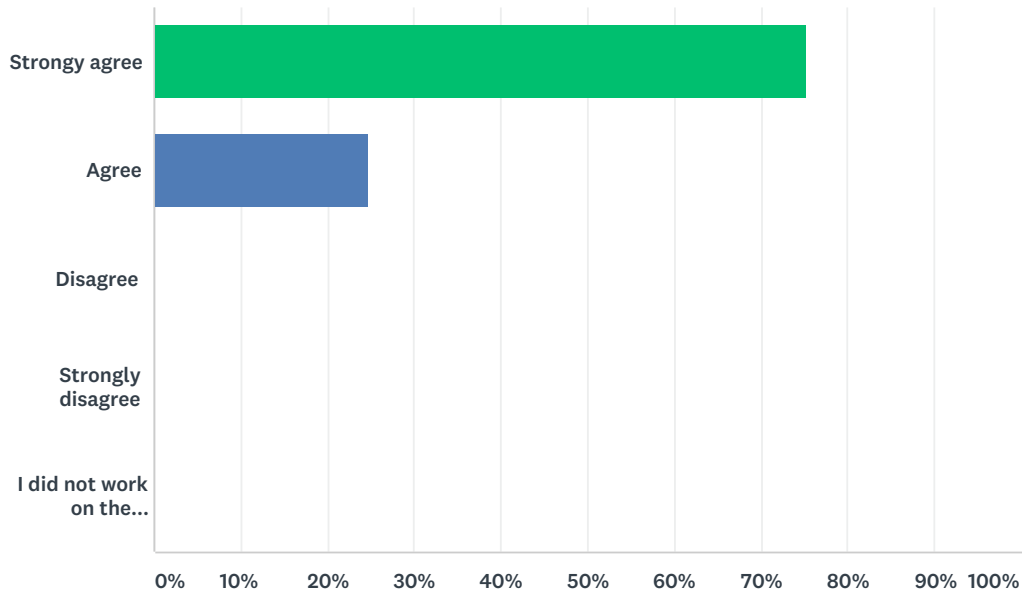


ANSWER CHOICES	RESPONSES	
Strongy agree	12.30%	15
Agree	36.89%	45
Disagree	28.69%	35
Strongly disagree	18.03%	22
I did not work on the electronic quizzes enough to have an opinion	4.10%	5
<b>TOTAL</b>		<b>122</b>



### Q7 The 10 written/turned-in homeworks were helpful

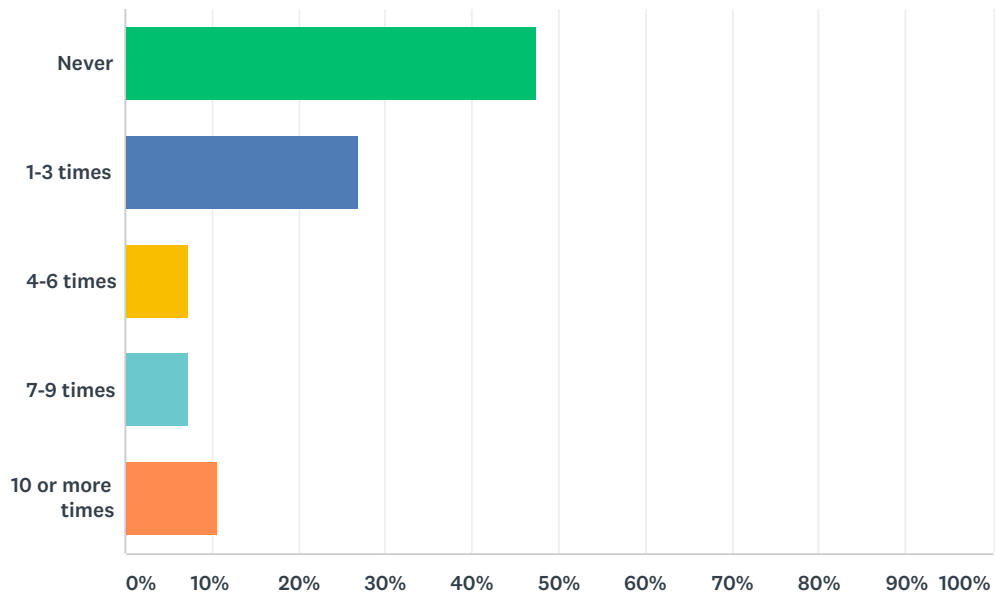
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Strongy agree	75.41%	92
Agree	24.59%	30
Disagree	0.00%	0
Strongly disagree	0.00%	0
I did not work on the homeworks enough to have an opinion	0.00%	0
<b>TOTAL</b>		<b>122</b>

### Q8 How many times did you attend the active learning problem solving office hours Tuesday and/or Friday afternoons?

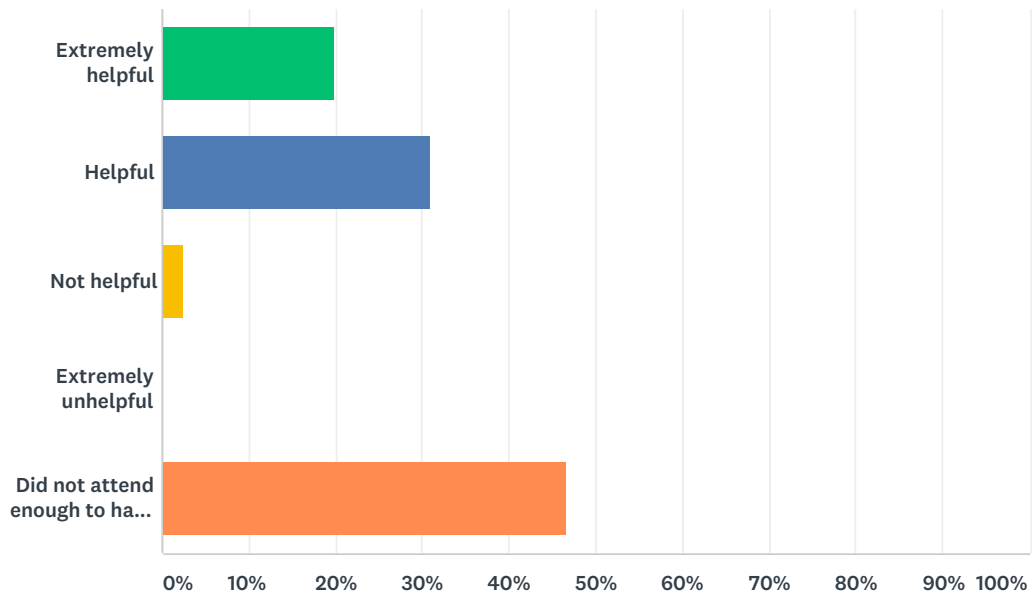
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Never	47.54%	58
1-3 times	27.05%	33
4-6 times	7.38%	9
7-9 times	7.38%	9
10 or more times	10.66%	13
<b>TOTAL</b>		<b>122</b>

### Q9 If you attended the active learning office hours on Tuesday and/or Friday afternoons, how helpful were they?

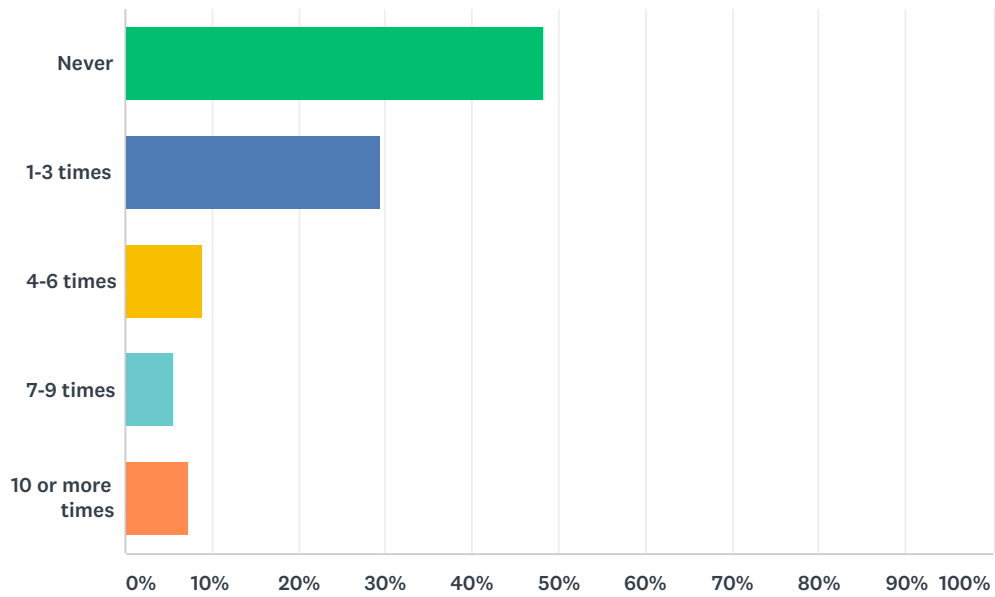
Answered: 116 Skipped: 6



ANSWER CHOICES	RESPONSES	
Extremely helpful	19.83%	23
Helpful	31.03%	36
Not helpful	2.59%	3
Extremely unhelpful	0.00%	0
Did not attend enough to have an opinion	46.55%	54
<b>TOTAL</b>		<b>116</b>

### Q10 How many times did you attend Dr. Iverson's office hours Wednesday afternoons?

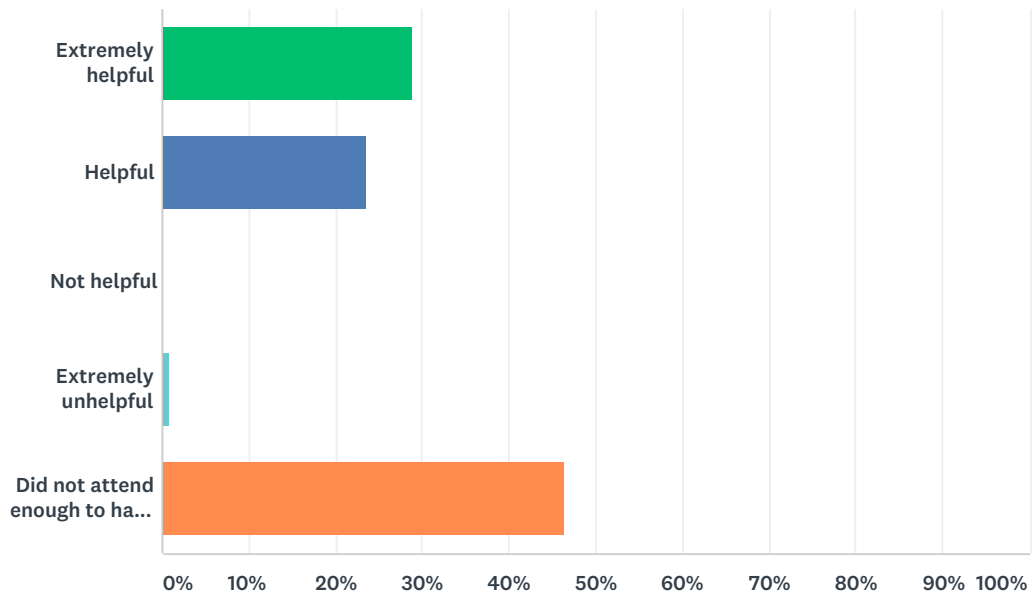
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Never	48.36%	59
1-3 times	29.51%	36
4-6 times	9.02%	11
7-9 times	5.74%	7
10 or more times	7.38%	9
<b>TOTAL</b>		<b>122</b>

### Q11 If you attended Dr. Iverson's office hours on Wednesday afternoons, how helpful were they?

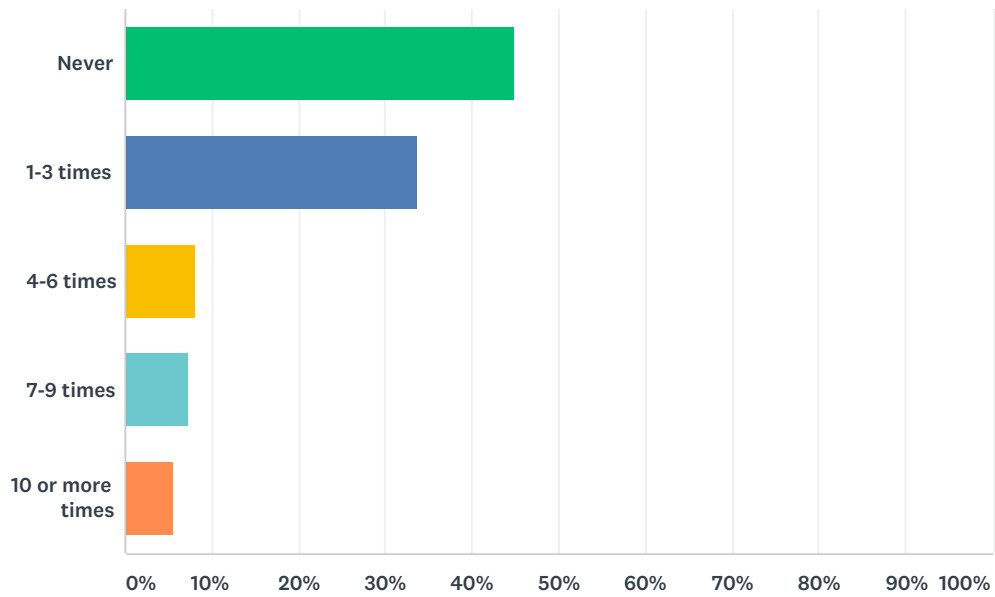
Answered: 114 Skipped: 8



ANSWER CHOICES	RESPONSES	
Extremely helpful	28.95%	33
Helpful	23.68%	27
Not helpful	0.00%	0
Extremely unhelpful	0.88%	1
Did not attend enough to have an opinion	46.49%	53
<b>TOTAL</b>		<b>114</b>

## Q12 How many times did you attend TA Chris Wight's "Missed the Wave" office hours Monday afternoons?

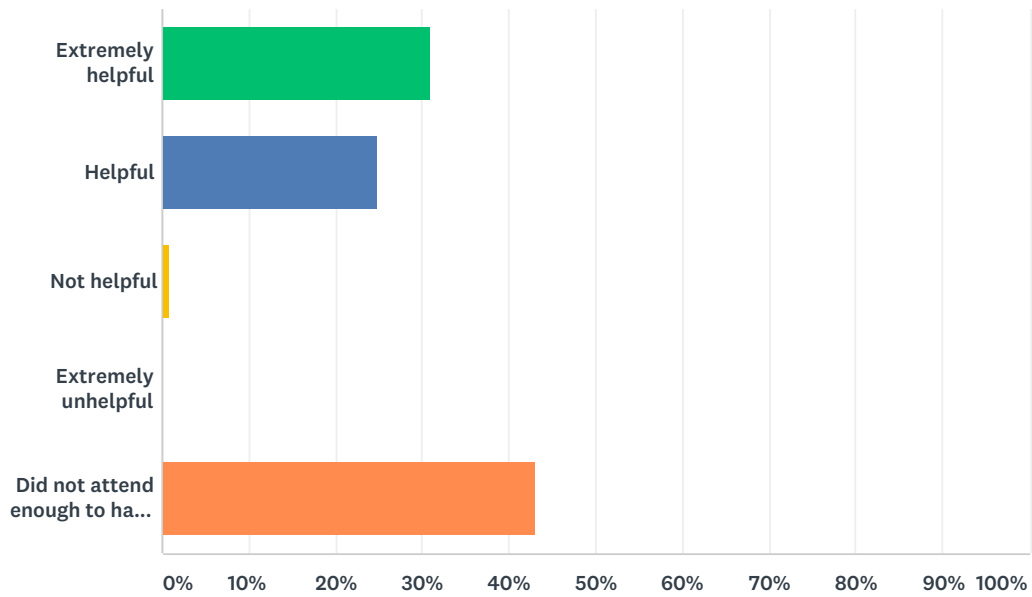
Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Never	45.08%	55
1-3 times	33.61%	41
4-6 times	8.20%	10
7-9 times	7.38%	9
10 or more times	5.74%	7
<b>TOTAL</b>		<b>122</b>

### Q13 If you attended Chris Wight's "Missed the Wave" office hours on Monday afternoons, how helpful were they?

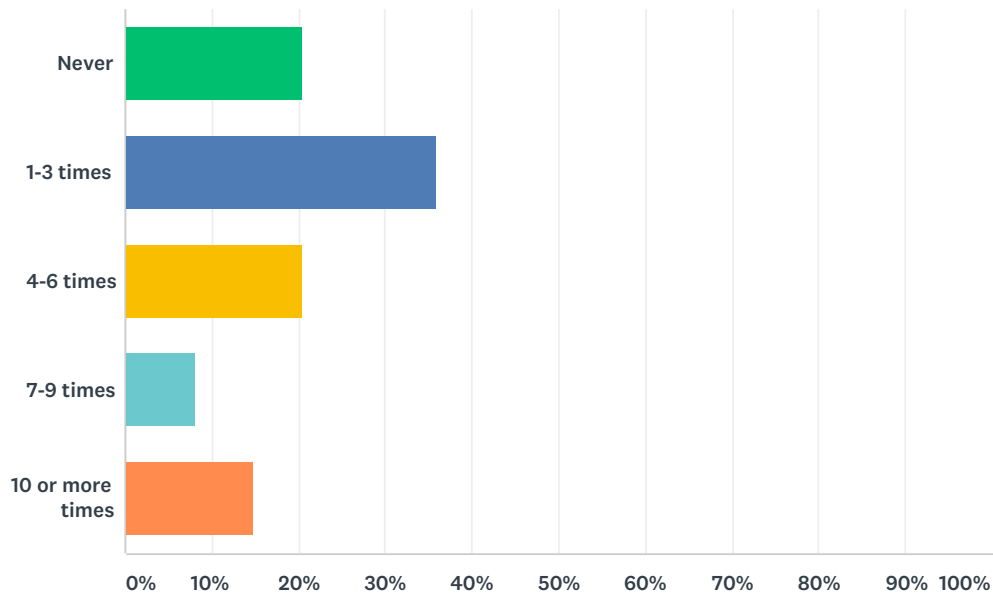
Answered: 116 Skipped: 6



ANSWER CHOICES	RESPONSES	
Extremely helpful	31.03%	36
Helpful	25.00%	29
Not helpful	0.86%	1
Extremely unhelpful	0.00%	0
Did not attend enough to have an opinion	43.10%	50
<b>TOTAL</b>		<b>116</b>

### Q14 How many times did you log onto the simulcast virtual office hours broadcast Thursday afternoons?

Answered: 122 Skipped: 0

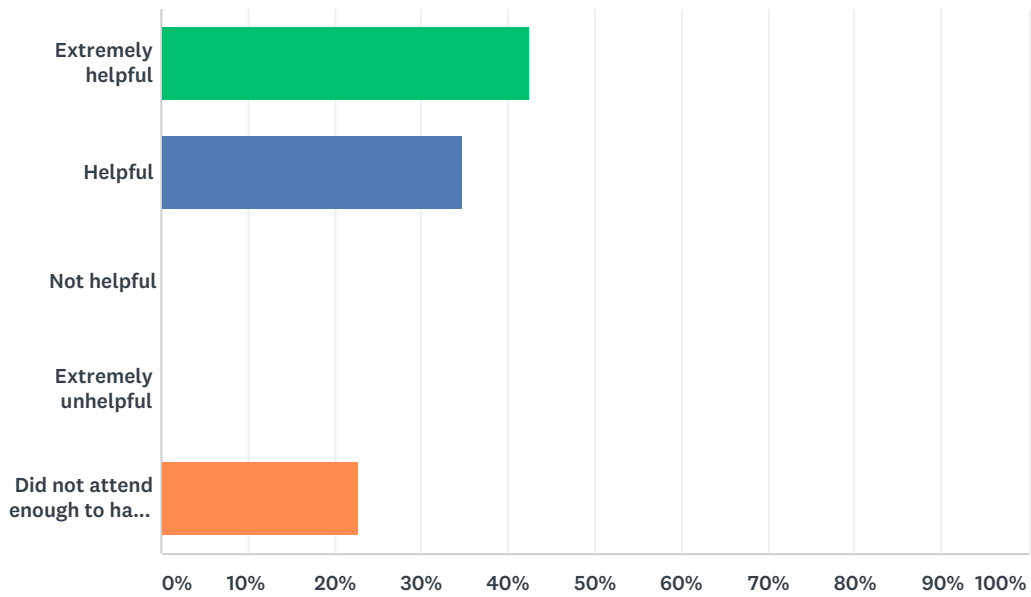


ANSWER CHOICES	RESPONSES	
Never	20.49%	25
1-3 times	36.07%	44
4-6 times	20.49%	25
7-9 times	8.20%	10
10 or more times	14.75%	18
<b>TOTAL</b>		<b>122</b>



### Q15 If you logged onto the simulcast virtual office hour broadcasts on Thursday afternoons, how helpful were they?

Answered: 118 Skipped: 4



ANSWER CHOICES	RESPONSES	
Extremely helpful	42.37%	50
Helpful	34.75%	41
Not helpful	0.00%	0
Extremely unhelpful	0.00%	0
Did not attend enough to have an opinion	22.88%	27
<b>TOTAL</b>		<b>118</b>

## Q16 Please list the three most important things you learned in my class this semester.

Answered: 95 Skipped: 27

#	RESPONSES	DATE
1	1) Recognize, not memorize. 2) Ask questions, always. 3) Your physical and mental health is a priority!	12/28/2017 7:32 PM
2	The conceptual material we covered in the 1st unit was very interesting to me. I found synthesis and NMR theory to be the other two most important things of this class.	12/28/2017 3:03 PM
3	Where are the electrons, we need to care of our ocean, and try to exercise as much as possible	12/26/2017 2:17 AM
4	1. synthesis 2. running is good for you! 3. how to problem solve	12/25/2017 1:54 AM
5	Where are the electrons Problem solving skills Study skills	12/25/2017 12:26 AM
6	Attention to detail, synthesis, actually having to try in a class (and that was really good for me!!!)	12/24/2017 10:31 AM
7	MRI, synthesis, and importance of running	12/23/2017 10:56 PM
8	Where are the electrons? Exercise is most important in life. The popular medical diagnostic technique of Magnetic Resonance Imaging...	12/23/2017 8:31 PM
9	1. I learned how to look for electrons 2. Synthesis problems are like puzzles; you have an idea of what to do or you're totally lost 3. I like fish	12/23/2017 2:06 PM
10	-The "personalities" of Alkanes, Alkenes, and Alkynes -How to make a reaction road map -That, if my body hadn't already started to break down, my physical prime would end around 25 and that to prevent a marked decrease in health I need to work out more.	12/23/2017 12:54 PM
11	I learned where the electrons are! I also learned that running can save lives, and that organic chemistry is life changing.	12/23/2017 11:56 AM
12	Where are the electrons?! Alkene reactions (Not ochem related but still cool) Oceans and the coral reef	12/23/2017 10:20 AM
13	Ochem is fun	12/23/2017 6:38 AM
14	1) How to critically analyze and solve unique problems 2) How to apply previously learned material to questions of new formats and style 3) Synthesis. Synthesis. And more synthesis.	12/23/2017 2:53 AM
15	-synthesis and how to think about working the problems -how to think about mechanisms -MRI	12/23/2017 1:10 AM
16	Mechanisms, hybridization, synthesis reactions	12/23/2017 1:09 AM
17	You cannot fall behind in this class and must keep up with the content! Study groups are a wonderful way to learn and meet new people! Your health is more important than your grades!	12/23/2017 12:43 AM
18	Problem solving skills in new situations, discipline in studying, running is good	12/23/2017 12:28 AM
19	Where are the electrons? Synthesis MRI	12/23/2017 12:25 AM
20	how to keep up with my work and study as the course went along instead of just right before exams, problem solving skills, how to enjoy studying and catching the wave! Also, thanks for all the running tips and encouragement.	12/23/2017 12:21 AM
21	Never too late to catch the wave It's very easy to drown in the wave Have a life outside of studies: visit the oceans.	12/23/2017 12:21 AM
22	1. Learning is so much better and more fun when you truly understand the material rather than using rote memorization. 2. Your passion for something can have a large impact on others. Shoutout to you, Dr. Iverson, for making me say something I never thought I would- "I actually enjoy organic chemistry!" 3. Make time for yourself in terms of exercise (yay running!) and personal health. Your health is infinitely more important than your grades!	12/23/2017 12:19 AM

23	Run as much as you possibly can, and if your joints hurt, buy new shoes. Localization of electron density shows the personalities of molecules, and similarly sized molecules with similar arrangements of electron density have similar effects on target molecules. Check all the stereoisomers and their metabolites for toxicity before sending the drug out to the public. Bonus: do not study for the entire final starting at midnight the night before the exam. Do not do that. Just.. don't.	12/23/2017 12:08 AM
24	1. You need to understand, not memorize, the material for it to be relevant 2. Running is important 3. Dr. Iverson really cares about your success in this class	12/22/2017 11:59 PM
25	1) Organic chemistry (especially synthesis) is an extremely powerful tool in every facet of human life that has and will lead to incredible innovation and betterment of our world. 2) I learned chemical intuition! (Which made this class easy and will never cease to help me moving forward) 3) I learned to love science more than I ever have before and figured out that I may have an interest to study chemistry deeper and get into research.	12/22/2017 11:53 PM
26	I learned how to manage time into actually learning how the mechanisms work. I learned why molecules react certain ways because of their environment. The last thing I learned is that I'm actually interested in organic chemistry and might consider furthering my education in chemistry.	12/22/2017 11:48 PM
27	The material becomes easier to digest once you recognize the patterns, how an MRI works, and the real-world applications of ochem	12/22/2017 11:45 PM
28	MRI, always exercise/run, ochem	12/22/2017 11:40 PM
29	1. A new way of critical thinking that requires the synthesis of many concepts to come to a final conclusion. 2. Organic synthesis problems. 3. Taking care of your physical health is just as important as academic efforts.	12/22/2017 11:40 PM
30	There are things more important than my ochem grade, like staying fit. There are real world applications to the things we learn in lecture, and that makes the material in this class important to know. Learning concepts is more important than memorizing information.	12/22/2017 11:39 PM
31	1. Each reaction has its own "personality" 2. Strive to understand rather than memorize 3. Where are the electrons?	12/21/2017 6:26 PM
32	1. Where the electrons are 2. Stay fit 3. To understand, in many of my classes I have just memorized, but by understanding it has allowed me to enjoy studying and perform better than I would have if I simply memorized.	12/20/2017 7:31 PM
33	We are chiral. How MRIs work. Running is fun.	12/20/2017 3:53 PM
34	Alkanes alkenes alkynes	12/20/2017 10:13 AM
35	where the electrons are, mechanisms, amino acids	12/20/2017 2:09 AM
36	I learned how to apply general rules to new scenarios, I learned how to condense notes into helpful study sheets, and I learned a lot about how different molecules behave.	12/19/2017 10:55 PM
37	I learned a different way of problem solving, how to recognize reactions, and how precious animals in the ocean are.	12/19/2017 10:51 PM
38	1. How to look at molecules and understand where the electron density is 2. How to tell what a molecule is. 3. How ochem applies to real life	12/19/2017 10:02 PM
39	- synthesis - applying concepts instead of memorizing - MRI	12/19/2017 9:33 PM
40	- Exersize - Critical thinking - Synthesis	12/19/2017 8:44 PM
41	All the mecahnisms, NMR and MRI, nucleophiles and electrophiles	12/19/2017 8:21 PM
42	1) It is very important to time manage well with this class because falling behind creates a domino effect. 2) Attending office hours is extremely helpful. 3) Don't give up.	12/19/2017 6:59 PM
43	1. Don't get behind. 2. Take care of your body. 3. Where the electrons are. 4. (sorry) How an MRI works.	12/19/2017 6:57 PM
44	where are the electrons chemistry road map thinking critically about ochem	12/19/2017 5:58 PM
45	1) Reaction mechanisms 2) Ranking molecules 3) MRI	12/19/2017 5:37 PM
46	1) Synthesis Problems 2) NMR 3) Mechanisms	12/19/2017 5:26 PM
47	Run often, how to make a roadmap, and reactions/synthesis	12/19/2017 4:14 PM

48	1. Fundamentals of Organic Chemistry. 2. Running is important. 3. Dr. Iverson has a pretty cool life and is a really good scuba diver.	12/19/2017 4:04 PM
49	How to identify what reactions will take place, the application of what we learned in the real world, and that the world is chiral.	12/19/2017 3:52 PM
50	Synthesis, the manta rays at night stuff (go marine science!), and where the electrons are!	12/19/2017 3:49 PM
51	MRI, Chirality, running is important	12/19/2017 3:44 PM
52	Synthesis requires a FULL understanding of the mechanisms. How to think more critically. I like OChem	12/19/2017 3:34 PM
53	MRI Synthesis	12/19/2017 3:31 PM
54	1) Running is more important than getting an A in class (but doing both is ideal:) 2) Remembering where the electrons are can help you understand reactions and how molecules interact with each other really well! 3) The popular medical diagnostic technique of magnetic resonance imaging (MRI) is based on the same principles as NMR, namely the flipping (i.e. resonance) of nuclear spins of H atoms by radio frequency irradiation when a patient is placed in a strong magnetic field. Magnetic field gradients are used to gain imaging information, and rotation of the field around the center of the object gives imaging in an entire plane (i.e. slice inside patient). In an MRI image, you are looking at individual slices that when stacked make up the three-dimensional image of relative amounts of H atoms, especially the H atoms from water and fat in the different tissues.	12/19/2017 3:23 PM
55	1. run every chance you get 2. one grade or one class is not more important than your health 3. Never get behind in your classes	12/19/2017 3:08 PM
56	Intuition is key. Feel those reactions! Reading book was helpful. Where are the electrons is key.	12/19/2017 3:05 PM
57	to learn how to do synthesis and not memorize the mechanisms, that I actually enjoyed organic chemistry (shocking I know), and that it's important to work out.	12/19/2017 2:47 PM
58	1. How to predict reactions 2. How to read and study things on my own 3. Cool facts about molecules and tidbits of information about life	12/19/2017 2:16 PM
59	where the electrons are, concept of NMR, we are chiral	12/19/2017 2:03 PM
60	-Study in short increments -Always review old material as semester progresses -Practice makes perfect	12/19/2017 1:52 PM
61	Deductive reasoning, understanding the basic chemical/physical properties underlying chemical interactions, spatial reasoning for comparing whether two things are the same.	12/19/2017 1:49 PM
62	Organic synthesis	12/19/2017 1:48 PM
63	Know the little things, actually understand the concepts, and try your best	12/19/2017 1:39 PM
64	You can predict personalities of molecules by where the charges are. Running is the price you pay for your health. Molecules of the day are the COOLEST	12/19/2017 1:38 PM
65	1. Look for patterns in the reactions 2. Exercising is important 3. Where are the electrons!	12/19/2017 1:18 PM
66	Synthesis NMR How to make C=C bonds	12/19/2017 1:16 PM
67	Exercise!! Critical thinking/ creative problem solving Where are the electrons	12/19/2017 1:14 PM
68	1) Understanding Mechanisms and being able to recognize the next step! 2) Learning nomenclature! (Very helpful stuff) 3) Learning that Ochem will make you feel uncomfortable but to be confident in your learning and your answers!	12/19/2017 1:12 PM
69	Synthesis, NMR, Critical thinking	12/19/2017 1:11 PM
70	Molecule personalities, not memorizing, using resources	12/19/2017 1:06 PM
71	1) How to think about molecules intuitively. 2) How to visualize molecules in space. 3) How to apply a set of reaction tools to comprehensive problems (i.e. synthesis).	12/19/2017 1:03 PM
72	MRI, synthesis and mechanisms/roadmap	12/19/2017 12:53 PM
73	1. Brent Iverson is an amazing professor with passion not only for organic chemistry, but also the manatees and having a healthy lifestyle - I want to be friends with Prof. Iverson. 2. It is never too late to catch the wave, for Ochem, or any class in general, with enough time and work, it is possible. 3. Synthesis is not the enemy. It is actually fun and ties the entire semester together, something not many courses end up doing	12/19/2017 12:53 PM

74	I really can't narrow things down. I learned a lot, and quite a few link together.	12/19/2017 12:52 PM
75	1) where are the electrons 2) The great barrier reef needs our help 3) Running is going to help me in the long run (haha get it?)	12/19/2017 12:51 PM
76	1. Markovnikov's Rule 2. Cation stability 3. SN1/E1, SN2, E2	12/19/2017 12:51 PM
77	1. Every molecule has a "personality", and by knowing those you can complete synthesis questions 2. A popular medical diagnostic technique of Magnetic Resonance Imaging (MRI)..... 3. Just keep running	12/19/2017 12:49 PM
78	-Where the electrons are -How to think about questions with common sense rather than just memorization -How important my personal health actually mattered and how privileged I am in that aspect	12/19/2017 12:49 PM
79	It is important to really learn a subject before moving onto the next. Electrons work in patterns we can understand. I should keep running for my mental and physical health.	12/19/2017 12:48 PM
80	1.) The roadmap and feeling that I have the ability to go into a lab and throw some chemicals together to make something I want. I truly feel like Sabrina the Teenage Witch making a potion. 2.) A better understanding of the chemistry that takes places behind all the biology I've learned. 3.) A better visualization of molecules, and learning how all the random topics in CH 301 fit together in reality.	12/19/2017 12:47 PM
81	1. To think outside the box and analyze situations 2. It's okay to be wrong, just learn from your mistakes 3. Exercise is important	12/19/2017 12:47 PM
82	Where are the electrons? Thinking critically. The beauty of chemistry.	12/19/2017 12:46 PM
83	Anything can be chemically synthesized in a specific order of steps, electrons act as waves or densities not as particles, electrons and atoms act the way they do for quantifiable and (eventually) explainable reasons, even if they require complex calculations to determine	12/19/2017 12:45 PM
84	-Where are the electrons? -Solving complex problems with the tools given to us -Blending information together throughout the course	12/19/2017 12:45 PM
85	Synthesis, chirality, and the nature of molecules.	12/19/2017 12:44 PM
86	My studying habits need to change as I enter into higher-level CNS courses. I can handle/adapt to level of difficulty, if I put enough effort. Where the electrons were!	12/19/2017 12:44 PM
87	Synthesis reactions, NMRs, and life	12/19/2017 12:44 PM
88	The importance of piways, mechanisms, and staying fit and healthy.	12/19/2017 12:43 PM
89	Synthesis, large complex molecules act the same as small simple molecules, and that running and staying fit will lead to a longer and healthier life :)	12/19/2017 12:43 PM
90	1. Where the electrons were 2. How an MRI works 3. How to think critically and use seductive reasoning	12/19/2017 12:42 PM
91	Where are the electrons? Dean Iverson's impressive running physique. Organic chemistry.	12/19/2017 12:41 PM
92	How to study for chemistry, how to think through reactions.	12/19/2017 12:41 PM
93	Organic chemistry reactions, NMR/MRI, running- making it a lifestyle!!!	12/19/2017 12:40 PM
94	1. i'm not as smart as i think i am 2. synthesis rocks 3. nerds don't like running and will only do it to get out of things	12/19/2017 12:40 PM
95	where are the electrons, synthesis, study skills	12/19/2017 12:40 PM

## Q17 Is there anything you did as a student that helped you in the course that has not been covered in this survey? I will pass along these suggestions to my class next year.

Answered: 63 Skipped: 59

#	RESPONSES	DATE
1	Although it has already been covered, attending lectures and office hours were the best way to gain OChem knowledge!	12/28/2017 7:32 PM
2	I just attended Sanger learning center about 1-2 times per week, it really helps to talk out what you just learned, it shows how much you understand and it also shows how much you don't yet understand, and if one tutor is not knowledgeable or does not suit you, try again but with a different tutor until you find one that will help you learn	12/26/2017 2:17 AM
3	roadmap! didn't see this in the survey, but was talked about in class a lot	12/25/2017 1:54 AM
4	Practice any type of problem you can find	12/25/2017 12:26 AM
5	Make outlines of your notes and rules of the day at the end of every week!!! I felt like I understood the material while we learned it in lecture, but remembered nothing by the exam. There is so. Much. Material. You have to learn it piece by piece as you go by reviewing it as often as possible. Otherwise you'll die come midterms.	12/24/2017 10:31 AM
6	I retook my notes after each lecture and I found that this helped me greatly.	12/23/2017 10:56 PM
7	-Watch "Missed the Wave" (or go) EVEN if you think you are "on" the wave. You end up having a much better understanding of the material. -The only way to really learn your mechanisms/road map is to practice, practice, practice synthesis problems.	12/23/2017 12:54 PM
8	Study diligently by breaking the concepts and material over several days. Tackle the Rules of the Day, and the mechanisms/reactions will follow. Be sure to understand and not to memorize.	12/23/2017 11:56 AM
9	I focused most of my studying to old exams and homeworks. Before I began really studying before an exam, I took a practice exam just to honestly assess what material I needed to devote studying to. Then I would refer back to my class notes and mechanism sheet. I personally never memorized the roadmap in its entirety (although I knew all the reactions of course), and I still finished with a ~98 in the course.	12/23/2017 2:53 AM
10	Start working on old exams at least a week before any given midterm. That is the key.	12/23/2017 12:28 AM
11	Never get behind on the material. This class material builds.	12/23/2017 12:25 AM
12	made notecards for each type of reaction on the roadmap. example: alkenes to alcohols (markovnikov) on one side and H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O on the other also made notecards for SN <sub>2</sub> , E1/Sn <sub>1</sub> , E <sub>2</sub> decision making map and strong/weak bases.	12/23/2017 12:21 AM
13	Don't fall behind and don't settle for less than you're capable of. As the semester progresses, the material will get more difficult. At times, it can feel like everyone is catching the wave but you. It'll be easy to convince yourself that you're "too dumb" or that ochem is "just a hard subject." DON'T GIVE UP. YOU CAN DO IT. GO TO LECTURE, USE ALL THE RESOURCES PROVIDED TO YOU, AND STUDY YOUR A** OFF, I promise you that if you put forth your best effort to really, truly understand the material, you will do better than you ever thought you could.	12/23/2017 12:19 AM
14	Do the homeworks over before the final. Hang your poster roadmap up on your wall so you see it every day. The readings are long and the quizzes are annoying... you don't have to do the readings to do well on the quizzes, but it definitely reduces your stress level.	12/23/2017 12:08 AM
15	Keep up! Catching up requires a lot of work and time, but it IS possible. Also, the past exams are a good indicator of how you're doing in class, but don't forget to review the extra stuff Dr. Iverson pays special attention to in class	12/22/2017 11:59 PM

16	Talking about the material with others is crucial. Talking with older students who know the material well and have been through the class is very helpful, but additionally trying to help and teach fellow students who may be struggling was amazingly useful. They ask questions you had never even considered that make you think really deeply about the material. I prints the blank mechanism sheets and put them in page protectors so that I could fill them out over and over again with dry erase markers. Best investment ever.	12/22/2017 11:53 PM
17	Do practice problems that are available in the course materials, they are very beneficial!!! If you don't get something I would definitely recommend going to office hours. Missed the waves are really good if you are behind on some information.	12/22/2017 11:48 PM
18	I recommend rewatching the lecture videos (about a week before the midterm) and rewriting the same notes down, paying especially close attention to anything that ties back to the Rules of the Day.	12/22/2017 11:45 PM
19	I took all the midterms and final past exams that were posted on the website and read the Rules of the Day before each exam.	12/22/2017 11:40 PM
20	No	12/22/2017 11:40 PM
21	Ask questions as soon as you have them is very important. If you wait it will make you more behind.	12/22/2017 11:39 PM
22	N/A	12/21/2017 6:26 PM
23	Don't procrastinate and make sure to practice!!	12/20/2017 6:27 PM
24	n/a	12/20/2017 2:09 AM
25	no	12/19/2017 10:51 PM
26	- Take a LOT of practice tests and TAKE the homework seriously, even if it's a completion grade.	12/19/2017 8:44 PM
27	Reading the Rules of the day each day after lectures help you solidify the concepts and attending all the office hours allow you to practice every week. Instead of studying for an exam, study few hours every week helped me a lot.	12/19/2017 8:21 PM
28	I found Khan academy videos helpful when trying to learn the basics of mechanisms because they explain it slowly in their videos.	12/19/2017 6:59 PM
29	Making my own version of the reaction summary page at the end of the mechanism packet. I would routinely draw the starting material and reagents (ex: Alkene --(H <sub>2</sub> CrO <sub>4</sub> )--> _____) and fill in the blank along with any distinguishing features of the reaction (ex: Markovnikov, anti-addition...). I would then go through and fill this out, eventually to the point that all I would have were the reagents and I would be able to recognize what the starting and ending material was. This was INCREDIBLY HELPFUL, especially in keeping everything concise and memorizing the roadmap. Highly recommend.	12/19/2017 6:57 PM
30	Put blank mechanism sheets in clear plastic dividers and work through them multiple times with whiteboard markers	12/19/2017 6:16 PM
31	Making friends in this class was very helpful, it is good to engage with other students because they help you catch your own mistakes.	12/19/2017 5:26 PM
32	Before each exam I would go through all of my notes for that midterm and make a review that combined and summarized lecture, book, rules of the day and office hour notes into 1 neat document. It was helpful in going over all the information again like a refresher and then when I went over old exams and I wasn't wasting time flipping through all my notes trying to find something.	12/19/2017 4:14 PM
33	Compile course material right before each exam (midterms and final). Basically rewrite the major points from each class day (from your notes) and rewrite anything that will help you with the major principles being tested in each midterm. This is on top of taking the old midterm and doing the very helpful practice homework right before each exam.	12/19/2017 4:08 PM
34	Dr. Iverson provides you with all of the resources you need to succeed, it's just a matter of whether or not you use them. DON'T GET BEHIND. It's a killer!! Your roadmap will be your best friend. Be friends with Dr. Iverson, he rocks!	12/19/2017 3:49 PM
35	NA	12/19/2017 3:34 PM

36	Write out the NIRRS for each reaction and make sure to understand how the molecules react with each other beyond memorizing these significant aspects. This is what you can rely on in the test when you blank during the test. For instance, if you forget whether hydroboration-oxidation adds anti or syn and is non-Markovnikov or Markovnikov, remembering that steric hindrance causes the B to add to the more substituted Carbon atom (which is later replaced with the -OH) and the H to add to the less substituted Carbon atom, both on the same side of the molecule, meaning that it's syn and non-Markovnikov.	12/19/2017 3:23 PM
37	I used Youtube videos sometimes when lectures or office hours didn't help	12/19/2017 3:08 PM
38	No. Everything that must be known is in the book. Reading the book was helpful for me.	12/19/2017 3:05 PM
39	find a study group	12/19/2017 2:47 PM
40	I would go over my exam after it was graded and look over the problems I missed and made sure I understand why I got it wrong. I would practice, practice practice. I did ochem every single day between the start of school to the day of the final. I also rewatched all the lecture videos during thanksgiving break and that really helped me review for the final.	12/19/2017 1:52 PM
41	Creating practice problem sets with every combination of starting material and reagents possible and solving problems over and over with different molecules until the pattern of reactivity was lodged in my brain.	12/19/2017 1:49 PM
42	The rules of the day are crucial!	12/19/2017 1:18 PM
43	No	12/19/2017 1:16 PM
44	I personally focused heavily on the textbook. I know a lot of students who didn't even touch the textbook. However, studying for the final, I told one of my friends to try reading it and she was like "wow, the textbook is really clear and helpful. Why am I just now finding this out" (and I personally don't enjoy reading but the textbook helped break everything down even further!!)	12/19/2017 1:12 PM
45	I thought about organic chemistry as a multi-dimensional game. It's not so dissimilar from video games in which you learn certain tools to get to the next level. To keep advancing, to have to remember the tools and how to apply them in new ways.	12/19/2017 1:03 PM
46	Though the recorded lectures were helpful for makeup, attending in person for some reason always managed to penetrate my brain better	12/19/2017 12:52 PM
47	I went to Sangar for extra help just to clarify things, and they were really helpful!	12/19/2017 12:51 PM
48	No, there was nothing additional to the choices listed.	12/19/2017 12:51 PM
49	chapter summaries at the end of each chapter in the textbook were very helpful	12/19/2017 12:50 PM
50	"Organic chemistry as a second language" by David R Klein Honestly best book I've ever bought and it was so helpful.	12/19/2017 12:49 PM
51	Reading all of the rules of the day as the course went by really helped get a better understanding of what was going on.	12/19/2017 12:49 PM
52	I read over the rules of the day before every test and made notes over all of them for the final.	12/19/2017 12:48 PM
53	No Dr. Iverson is literally perfect.	12/19/2017 12:47 PM
54	Be on top of the reactions and mechanisms. Once you learn those, you learn the course and everything comes easy.	12/19/2017 12:47 PM
55	Join a chemistry research lab	12/19/2017 12:46 PM
56	Did not attend office hours but watched the videos and used handouts from office hours to help study	12/19/2017 12:46 PM
57	Look at old exams and practice, practice, practice. Do all available practice and make sure you understand everything completely.	12/19/2017 12:45 PM
58	No	12/19/2017 12:44 PM
59	I recommend doing as many practice problems as possible and understanding each problem as you do it, even if you get it right.	12/19/2017 12:43 PM
60	I did every homework to the fullest of my abilities, even if some were just a completion grade. I did a lot of talking out loud when working through some problems. You get to catch yourself making errors more and it slowly starts making more sense.	12/19/2017 12:43 PM



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61	Posted Class notes on website	12/19/2017 12:41 PM
62	The mechanism packet was the most helpful thing for exam prep for me.	12/19/2017 12:41 PM
63	I made my own roadmap	12/19/2017 12:40 PM

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## Q18 Please list any ways in which I can make the class better

Answered: 73 Skipped: 49

#	RESPONSES	DATE
1	Working "box" or any practice problems with your explanation in the Wednesday or Thursday office hours was helpful! The scanned notes were an amazing addition! I also appreciated the videos of lectures so I could rewatch concepts I did not understand the first time!	12/28/2017 7:32 PM
2	NOTHING	12/28/2017 3:03 PM
3	Even though there will not be nomenclature on the last test and the final if 20% of the class runs, it would be helpful to have the extra motivation to include nomenclature on some of the homeworks we will have so we will not have to catch up learning nomenclature when we get to Ochem 2. It would just be helpful for the extra motivation to learn it then or have a practice homework to practice it even though it will not be on the test because I am nervous about using nomenclature for Ochem 2.	12/26/2017 2:17 AM
4	More in class synthesis problems before the final	12/25/2017 1:54 AM
5	A better way to get engaged with the textbook, which sometimes felt unnecessary even with the reading quizzes.	12/25/2017 12:26 AM
6	Emphasize the incredible attention to detail that will be graded on exams and give us more opportunities to practice getting homework graded. ex. I didn't know I was drawing chair structures wrong until after my first midterm. And I went to active problem solving sessions!	12/24/2017 10:31 AM
7	No quizzes	12/23/2017 10:56 PM
8	The class was great!	12/23/2017 11:56 AM
9	I wish I could.	12/23/2017 2:53 AM
10	Remind students to manage their time well during the test. I passed the 3 midterms, but, unfortunately, didn't manage my time well on the final, so I didn't get to make it to the end of the final and show what I knew. I failed with a D+ due to not finding the final.	12/23/2017 1:09 AM
11	Ensure that any recorded material such as lectures, office hours, or review sessions are fully recorded and not cut off.	12/23/2017 12:43 AM
12	You are a great prof and I have no recommendations to make it better	12/23/2017 12:28 AM
13	Electronic quizzes were not helpful.	12/23/2017 12:25 AM
14	Teach O Chem 2 please!!!! Im a junior and you have been my favorite professor yet!!! thanks for a great semester!	12/23/2017 12:21 AM
15	YOU ARE PERFECT IN EVERY SINGLE WAY DR. IVERSON. I am extremely sad I won't have you as a professor next semester, but I am eternally grateful for the strong ochem foundation you have given me. YOU ARE PERFECT IN EVERY SINGLE WAY DR. IVERSON. Thank you for teaching the class with such passion and for reminding us there are more important things in life than our grades. At my first marathon (and every one proceeding that), I will be thinking of you!	12/23/2017 12:19 AM
16	Teaching ochem 1 and ochem 2 in the same year is way better than being dean... just saying...	12/23/2017 12:08 AM
17	Please cover more synthesis problems in class. Shabbir's students seemed to have a better grasp at synthesis because she did exactly that, and it seemed as if synthesis was self taught to a bunch of your students.	12/22/2017 11:53 PM

18	It was really difficult to keep track of useful reactions that were not in the mechanism packet. In the same way that there was a sheet in the mechanism packet for carbonation rearrangement even though it wasn't a "mechanism" per se, it would have been useful to also include PCC, the use of substitution to make ethers, the use of substitution to form C-C bonds with alkyne anions and primary haloalkanes, the mercury containing reagent reactions, etc. It was really difficult to flip between my notes and the packet and ensure that I didn't miss any reactions in my study. It would have been much easier if everything were together in the packet. Additionally, I reminded you a few times throughout the semester that it would be really helpful for recording purposes (and because it's hard to hear in the big room) if you could repeat the questions asked before answering them, but I still found myself watching videos at home having to guess at what questions or concepts you were trying to answer or explain. It seems like a hard thing to get used to remembering, but I think it would be really helpful to students. PS: Thank you to you and the TAs more than I can possibly express. You all and this class have changed my life and inspired me in ways beyond words.	12/22/2017 11:53 PM
19	I think this class is very structured and organized. The problem was that the active office hours and some office hours didn't work with my time, but super happy it was recorded.	12/22/2017 11:48 PM
20	I wouldn't change a thing, you're doing amazing!!	12/22/2017 11:45 PM
21	The class was amazing. I think everything Dr. Iverson did was great and I loved the class. I learned a lot from this class.	12/22/2017 11:40 PM
22	Not possible	12/22/2017 11:40 PM
23	The electronic reading quizzes were weird and seemed unhelpful in the long run.	12/22/2017 11:39 PM
24	keep doing what you do GOAT!	12/21/2017 6:26 PM
25	With all the mechanism sheets explicitly say the why and how this happens if the chemistry knowledge is known to us. There are many mechanisms and I feel like we went too fast at times.	12/20/2017 7:31 PM
26	It was great!	12/20/2017 6:27 PM
27	n/a	12/20/2017 2:09 AM
28	If the mechanism packet included all of the useful reactions for synthesis, putting together a road map at then end was a little overwhelming.	12/19/2017 10:55 PM
29	I think the class is already great and extremely engaging.	12/19/2017 10:51 PM
30	Reiterate every time you write R that it refers to any carbon chain. (i think thats what it is im not sure... does it have to be carbon??)	12/19/2017 10:02 PM
31	- The only thing that was really hard for me was epoxide and ethers. If recommend doing more examples in class and in office hours (if not done so, I didn't go to much office hours).	12/19/2017 8:44 PM
32	When teaching mechanisms, especially the first couple, go SLOW!! This is something completely new to us, so if you explain the first few slowly then it will be easier for us to catch the mechanisms wave.	12/19/2017 6:59 PM
33	1) Do not make students by the textbook, it was an absolute waste of my money and I did not use it all during the course. The resources on your website and review sessions were a hundred times more beneficial. 2) The reading quizzes also did not help because we did not learn the concepts before taking them yet. 3) College students are poor and I want to reiterate that the textbook was really a waste of money. I got an A in the course through your website and your lectures and that's it!	12/19/2017 5:37 PM
34	Keep posting lecture note scan!! That was super helpful especially when I missed writing something down during lecture	12/19/2017 4:14 PM
35	This might be too much to ask given the time consumption, but there were a few times (1-3) where TAs made a small mistake during practice problem solving sessions (and I only watched 2-3 of the recordings so there could be more). This is pretty bad if students get confused as to what is the correct answer (especially regarding major reactions through the roadmap and other conceptual principles). Like I said it might be too much to ask but you should probably watch over those too if you don't already; that way you can make an announcement correcting it the next class day or even just through email/canvas.	12/19/2017 4:08 PM
36	It seemed like we still had to do a lot of memorizing, and for me that does not help me learn the material as well as I would have liked to.	12/19/2017 4:04 PM

37	You are seriously awesome and very encouraging; thank you for everything!!	12/19/2017 3:49 PM
38	Make the printed hw a part of the total percentage/ its own category	12/19/2017 3:44 PM
39	Spend more timr doing synthesis in class especially with ethers and epoxides	12/19/2017 3:34 PM
40	Whenever we go through the reactions rapidly and learn multiple in a week, it might be helpful to either make extra videos (like the epoxide videos) that further explain the mechanism and why the molecules react the way they do. I know that would have helped me understand it better, but most of my questions were also answered by going through the textbook. Another option is suggesting students to go through the textbook to find more information about specific reactions, which could help because many forget that it's a very useful resource. The textbook was especially helpful with the early alkene reactions, the substitution/elimination reactions, alcohols, and epoxides.	12/19/2017 3:23 PM
41	1. more bonus points 2. not weigh the Final so high as 40% 3. have one on one office hours 4. not teach important concepts really close to an exam, every one is trying to catch the wave and gets even more lost. (Enantiomers, Diastereomers - Exam 1) (NMR-final )	12/19/2017 3:08 PM
42	I don't think the eBook/quizzes were helpful at all. They aren't a useful supplement and are not worth their price. I think administering your own quizzes through canvas would be better.	12/19/2017 2:57 PM
43	I did not like the e quizzes other than that this class was awesome!	12/19/2017 2:47 PM
44	Make the electronic quizzes due after we cover the material in lecture. I know the quizzes are meant to ensure that you keep up with the reading, but oftentimes, just reading the textbook is not enough to understand the material thoroughly enough to do the quizzes. The material makes a lot more sense after we cover it in lecture, when someone who actually knows what they're doing can convey the information effectively, as opposed to me just reading words on a page and trying and failing to understand what they mean, given that I have little previous knowledge in ochem.	12/19/2017 2:16 PM
45	Have tests where students are punished for arbitrary losses of points like forgetting to write racemic twice and losing a while point on the test, especially in a class where a few points missed makes the difference between an a and a b. Testing nuances Does not actually examine ones knowledge of ochem - just how meticulous a student is	12/19/2017 2:09 PM
46	I think it is unreasonable that the final is 40% of our grade literally making our whole grade rest on our final no matter how well we do in the general exams. In addition it doesn't provide room for improvement and has a greater probability of hurting your grade. In addition, it was unfair to see that Shabbir's averages were 10 points above ours on exams which shows something. It was extremely hard to score an A and many of us were borderline to move to the next grade.	12/19/2017 2:07 PM
47	Please remove the equizes. they were stressful and confusing to try and learn the material before you went over it	12/19/2017 2:03 PM
48	This class changed my life forever and if I could, I would take it again. I wouldn't change anything about this class. Dr. Iverson is a remarkable professor/human being, I hope to become half the person he is one day.	12/19/2017 1:52 PM
49	The only times I really began to struggle was when classes were cancelled and rescheduled for an hour later. I had a class right after our class, so I couldn't attend the makeup lectures, so I would get behind whenever these schedule changes occurred.	12/19/2017 1:49 PM
50	I personally did not find the eQuiz helpful. I strongly suggest you drop at least.	12/19/2017 1:38 PM
51	In the beginning of the class, I was very confused because it didn't feel like we were doing any "ochem" - I now understand it was the foundations needed to actually "do" ochem. I believe if you explain why we're doing what we're doing early on, that would help tremendously! My brain was all over the place the first few weeks!	12/19/2017 1:12 PM

52	<p>1) The MRI memorization is an anticlimactic way to end a semester based on not memorizing and emphasizing understanding and application. There are many premeds in the class, but honestly they will not remember the 3 or 4 sentences you want them to say to patients, and even if they could remember verbatim, repeating a memorized passage is not what we want our doctors to do. One of your strengths is in helping students develop intuition. Don't let the surfboard come to shore at the end of the semester with a paragraph memorization. 2) Get things worked out with Cengage. There were frequent problems accessing the text, getting the quizzes to work, and finding answers in the online solutions manual. 3) Add problems to the electronic quizzes. They should not be a 1 or 2 question effort to evaluate how well students can hunt for an answer in the text. The chem draw tool was super once I got the hang of it. Make these assignments more of a challenge. 3) Focus more on the big, big picture of what we're doing. A lot of material came into focus when I prepared for the final...making big picture connections regarding acids, bases, nucleophiles, electrophiles, carbocations, ring structure, radicals. It would have helped during the semester, however, to develop more of an understanding along the way...like just why we're adding an acid or base to a reaction, what adding or subtracting water will do, how using a dihalide can change a reaction, just when to add heat or light to start a radical chain reaction. It's interesting that ochem used to be about teaching what happens when reagents are combined, and now it's about learning the underlying mechanisms...maybe an even better approach is to combine some of both approaches. I think this would be helpful for heading into biochem as well.</p>	12/19/2017 1:03 PM
53	<p>I did not find the electronic quizzes very helpful, and they were extremely easy to forget. I work a lot, so I like to be able to get ahead on the weekends or other days I have free, so it was really difficult to have assignments that open only a couple days before class and that were so small and easy to forget. Most days, I found myself rushing through the quizzes right before class. While my test average is a high A, my e-quiz cumulative score is a high B. Additionally, I have an electronic copy of the textbook that was passed down to me from a former student, so I wish I hadn't had to pay for the ebook for the sole purpose of being able to take the e-quizzes.</p>	12/19/2017 12:57 PM
54	<p>Not about the class, but, you're just a really cool guy with a really interesting life, and I would have really liked to just come to your office and talk, but it seems like there aren't any non-ochem centered office hours (which I mean makes sense) but I didn't wanna ask about the Great Barrier Reef while people are stressed about epoxides.</p>	12/19/2017 12:53 PM
55	<p>Nothing, really. It was a great class</p>	12/19/2017 12:52 PM
56	<p>I think the class is great, nothing needs to be changed!</p>	12/19/2017 12:51 PM
57	<p>Go through more examples in class like with the different reagents. There was some done in class but more would be nice. Also going through an NMR problem in class and matching the pictures would be good for understanding it better like what Chris did in his MTW.</p>	12/19/2017 12:51 PM
58	<p>Transferring electronic quizzes to be canvas quizzes. (There were a lot of errors with the electronic quizzes)</p>	12/19/2017 12:49 PM
59	<p>More difficult practice problems in lecture to give us a better insight for what will be in the exams.</p>	12/19/2017 12:49 PM
60	<p>This class is already pretty great. Caring about your students is the most important thing a teacher can do and you have gone above and beyond to show that you care.</p>	12/19/2017 12:48 PM
61	<p>I SAID DR. IVERSON WAS PERFECT!!!! AN ANGEL OF A HUMAN!!!! WHY DO THEY NOT MAKE OTHER CRAPPY PROFESSORS WATCH HIM SO THEY CAN BE BETTER????</p>	12/19/2017 12:47 PM
62	<p>Do not have NMR the final week leading up the final. NMR is pretty difficult. The electronic quizzes were not helpful, more trouble and losing points because of that isn't fun. Maybe post your own quizzes, not through Cengage but the Rules of the Day. Also maybe do post quizzes to fully understand the material.</p>	12/19/2017 12:47 PM
63	<p>- Study guide for final</p>	12/19/2017 12:46 PM
64	<p>Post more synthesis practice, felt like there weren't enough problems or time to practice</p>	12/19/2017 12:46 PM
65	<p>Some of the mechanisms that were taught weren't in the packet because we didn't have to know the mechanism, just the reaction itself. I think that offering these as sheets in the mechanism packet, but just filling in the arrows on the document would be helpful so that the packet acts as a completely comprehensive guide to all if the reactions, instead of just the reactions with mechanisms we're responsible for.</p>	12/19/2017 12:45 PM
66	<p>N/A</p>	12/19/2017 12:45 PM
67	<p>More focus on synthesis in class as it was hard to attend office hours for it because of all the other finals and exams at the time.</p>	12/19/2017 12:44 PM

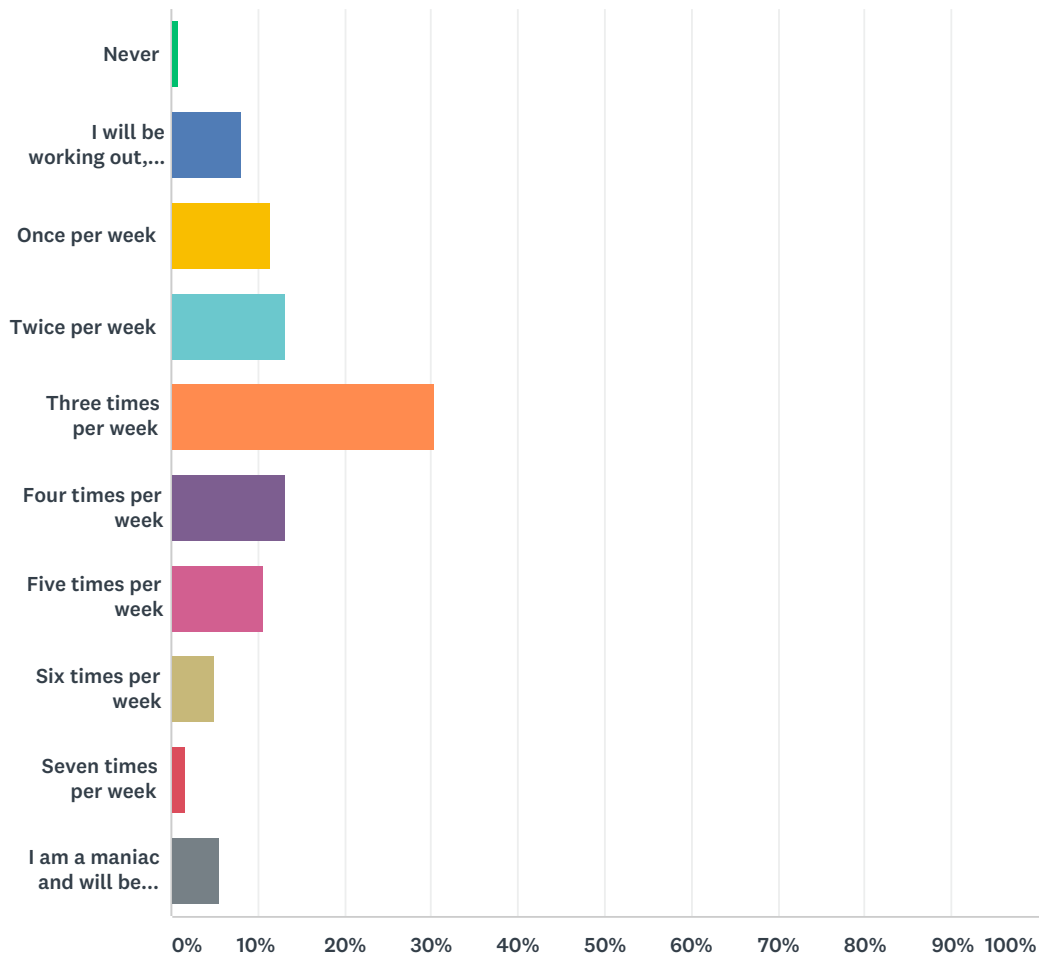
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68	I do not believe the e-book/electron reading quizzes were helpful. I dutifully tried using these sources for the first month-and-a-half, but quickly found myself being overwhelmed by: the sheer amount, the difficulty of the reading, and the difficulty of the quizzes. I do not believe I was able to understand enough of the information to feel prepared for the lecture that would ensue (pertaining to that info).	12/19/2017 12:44 PM
69	I think giving more synthesis practice problems for the final would be helpful.	12/19/2017 12:43 PM
70	People are going to say they didn't like the online pre-class quizzes, but they were actually really helpful because they gave me an idea or heads up as to what you were going to be teaching that day so I wasn't lost. The class was perfect! Thank you for everything!!	12/19/2017 12:43 PM
71	Play trumpet more often	12/19/2017 12:41 PM
72	This was the best chemistry class I've ever taken, so I'm not sure :p	12/19/2017 12:41 PM
73	A little more time on interpreting NMR spectra for molecules with double bonds.	12/19/2017 12:40 PM

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# Q19 How many times are you going to go running or otherwise work out next semester to stay fit?

Answered: 122 Skipped: 0



ANSWER CHOICES	RESPONSES	
Never	0.82%	1
I will be working out, but less than once per week on average	8.20%	10
Once per week	11.48%	14
Twice per week	13.11%	16
Three times per week	30.33%	37
Four times per week	13.11%	16
Five times per week	10.66%	13
Six times per week	4.92%	6
Seven times per week	1.64%	2
I am a maniac and will be working out more than seven times per week	5.74%	7